

FCom SAW FILTER

Series FSF-5050-916M3

8-SMD, No Lead 5.0x5.0 mm



Feature

- Package footprint: 5.0 x 5.0 mm
- 3 dB bandwidth: 1.1 MHz typical
- Operating temperature range: -40°C to +85°C
- RoHS and REACH Compliant , Pb-free

Application

- 916.3 MHz RF bandpass filtering
- UHF signal selection
- Receiver preselector
- Test & measurement filtering

TEST CONDITIONS AND MATCHING

50-ohm source / load. Each port: series 18 nH; shunt 4 pF on the test-port side.

Reference passives: Coilcraft CS series 0805 inductors; Murata GRM series 0402 capacitors.

Device input / output impedance and amplitude ripple are not specified.

Reference: TA1986A Rev.1.0. BW follows the electrical table (1.1 MHz); cover states 1.2 MHz.

ELECTRICAL SPECIFICATIONS

Characteristics	Symbol	Min.	Typ.	Max.	Units	Notes
Center Frequency	fC	-	916.3	-	MHz	ILmin = minimum insertion loss Amplitude ripple: Not specified Test terminations: Zs = 50 ohms ZL = 50 ohms External matching required.
Minimum Insertion Loss	ILmin	-	5.0	6.0	dB	
3 dB Bandwidth	BW3	-	1.1	-	MHz	
Amplitude Ripple	-	-	-	-	dB	
Storage Temperature	Tstg	-40	-	+85	°C	
Input Impedance	Not specified					
Output Impedance	Not specified					

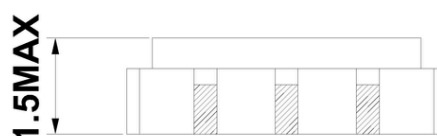
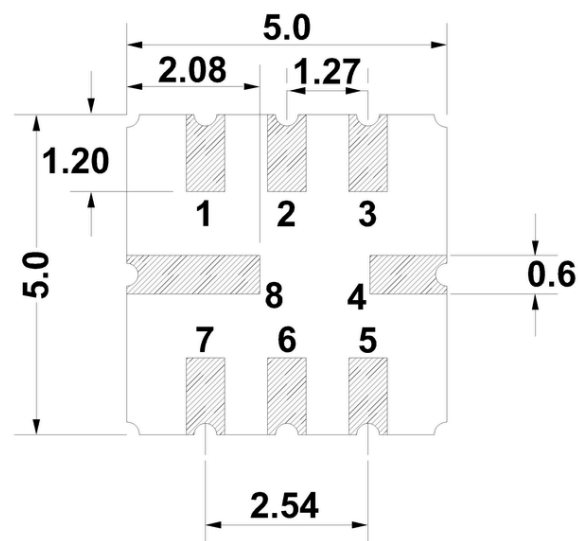
⚠ Typical values are provided for design guidance only. Final production specifications and tolerances are defined in the official test limits and shipment CoC.

DIMENSION(mm)

FCom mechanical template retained.
 Reference height: 1.7 mm max; template: 1.5 mm max.
 Reference letters A-H correspond to numbers 1-8.
 B (2): input; F (6): output.
 * A (1): input ground; E (5): output ground.
 C, D, G, H (3, 4, 7, 8): ground.
 Confirm package dimensions before PCB layout.

Pin No.	Description
2	Input
6	Output
1, 5	Port grounds*
3, 4, 7, 8	Ground

Please contact FCom for other pin configurations.



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PRECISELY ACCURATE